

FIG. 1

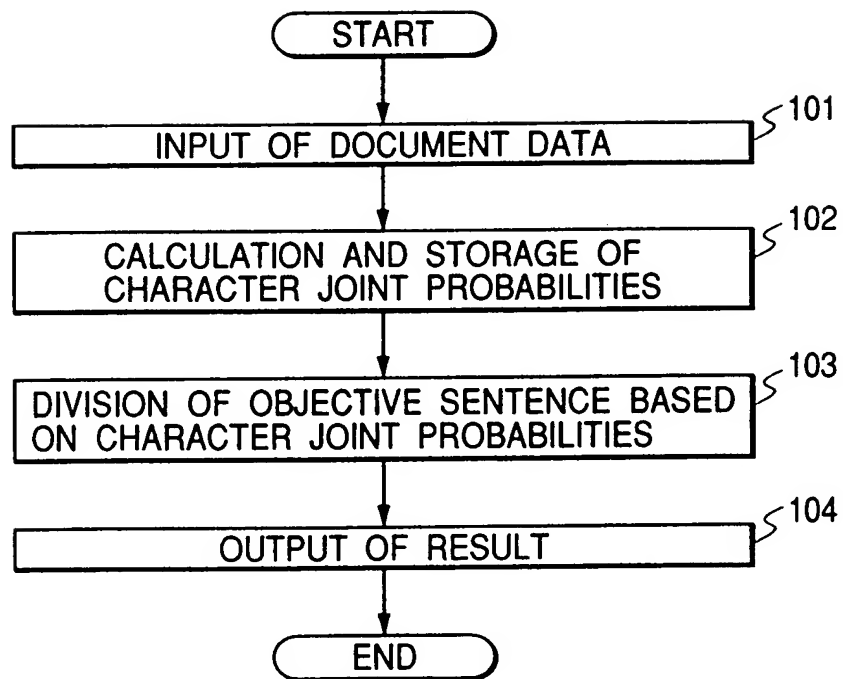


FIG. 2

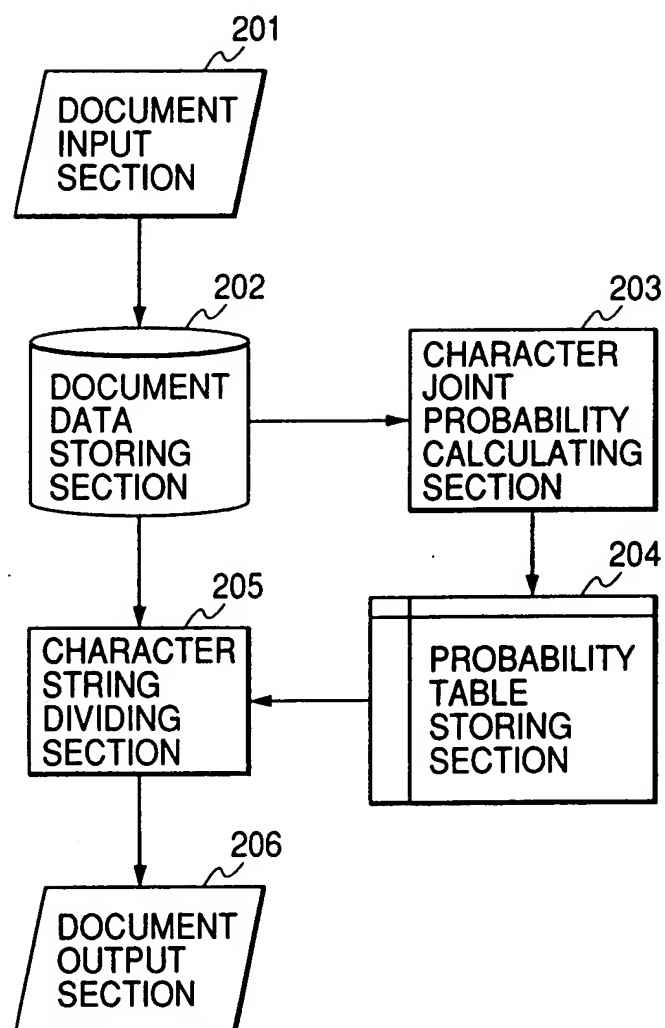


FIG. 3

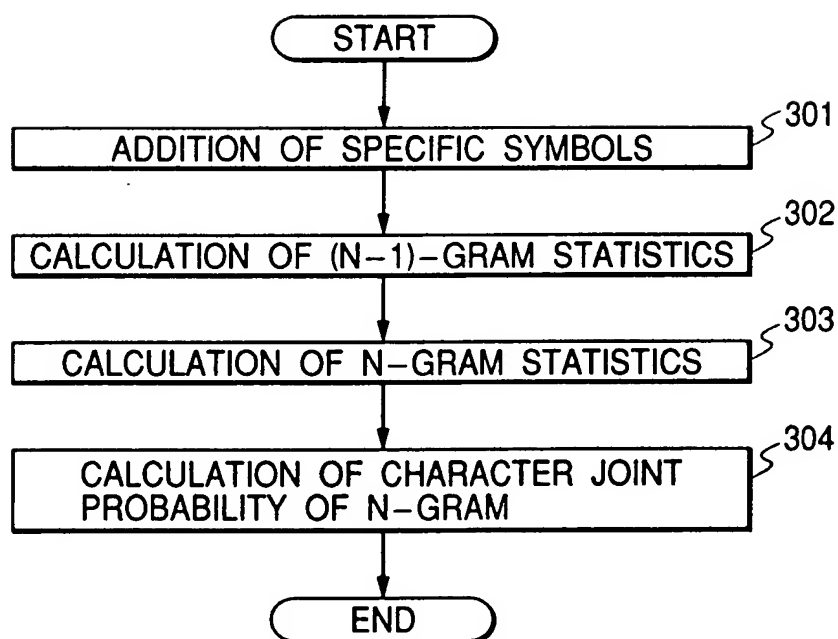


FIG. 4A

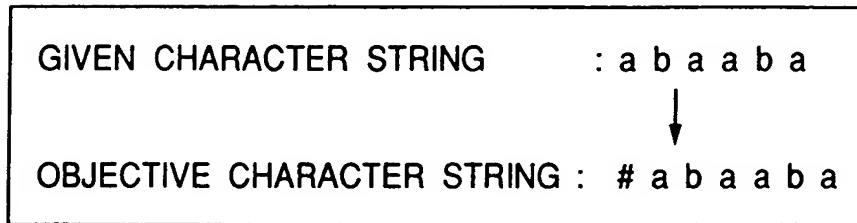


FIG. 4B

APPEARANCE FREQUENCY OF 2-GRAM	
CHARACTER STRING	NUMBER OF TIMES
#a	1
ab	2
ba	2
aa	1

FIG. 4C

APPEARANCE FREQUENCY OF 3-GRAM	
CHARACTER STRING	NUMBER OF TIMES
#ab	1
aba	2
baa	1
aab	1

FIG. 4D

CHARACTER JOINT PROBABILITY	
CHARACTER STRING	PROBABILITY
#ab	1.0
aba	1.0
baa	0.5
aab	1.0

CALCULATION METHOD

$= \text{COUNT}(\#ab) / \text{COUNT}(\#a)$
 $= \text{COUNT}(aba) / \text{COUNT}(ab)$
 $= \text{COUNT}(baa) / \text{COUNT}(ba)$
 $= \text{COUNT}(aab) / \text{COUNT}(aa)$

FIG. 4E

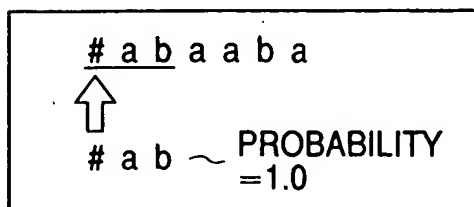


FIG. 4F

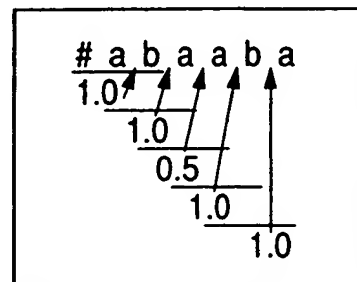


FIG. 5

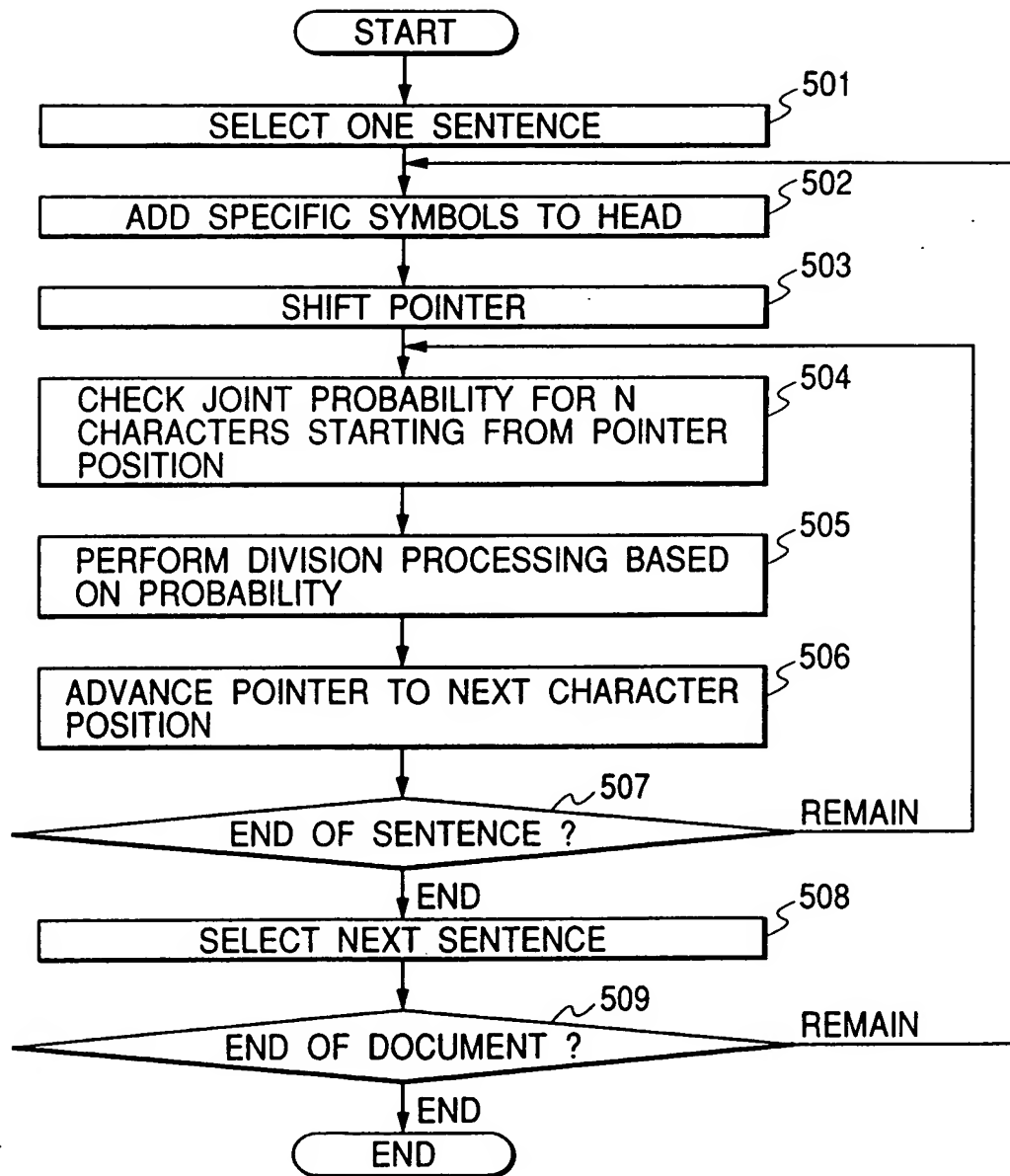


FIG. 6A

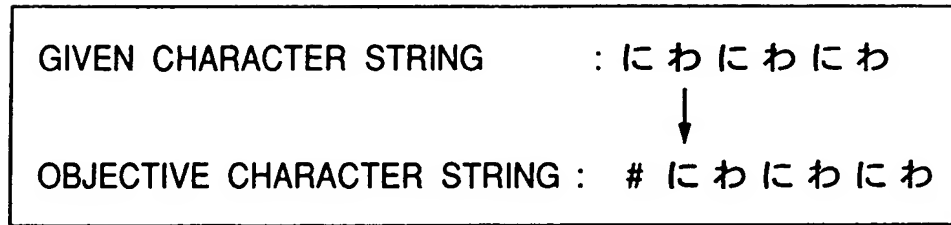


FIG. 6B

APPEARANCE FREQUENCY OF 2-GRAM	
CHARACTER STRING	NUMBER OF TIMES
# に	1
にわ	3
わに	2

FIG. 6C

APPEARANCE FREQUENCY OF 3-GRAM	
CHARACTER STRING	NUMBER OF TIMES
# にわ	1
にわに	2
わにわ	2

FIG. 6D

CHARACTER JOINT PROBABILITY	
CHARACTER STRING	PROBABILITY
# にわ	1.0
にわに	0.6
わにわ	1.0

CALCULATION METHOD

$$= \text{COUNT}(\# \text{ にわ}) / \text{COUNT}(\# \text{ に})$$

$$= \text{COUNT}(\text{にわに}) / \text{COUNT}(\text{にわ})$$

$$= \text{COUNT}(\text{わにわ}) / \text{COUNT}(\text{わに})$$

FIG. 6E

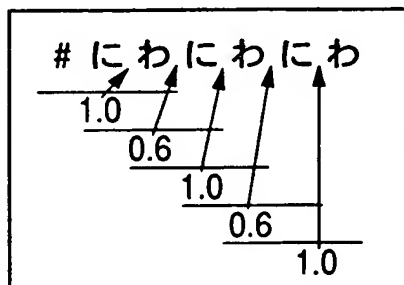


FIG. 7

CHARACTER JOINT PROBABILITY	
CHARACTER STRING	PROBABILITY
ようち	0.00016
ようっ	0.00011
ようつ	0.00005
ようて	0.00011
ようで	0.01938
ようと	0.08398
ような	0.13665
ように	0.22713
よくあ	0.01593
よくい	0.00612
よくえ	0.00024
よくお	0.00269
よくか	0.00171

FIG. 8

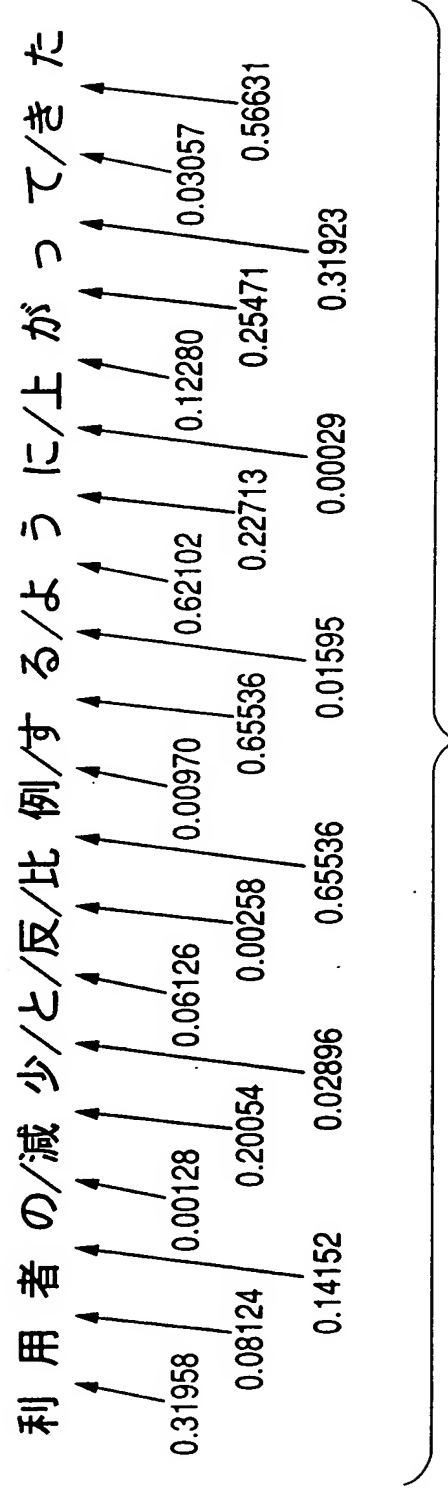


FIG. 9

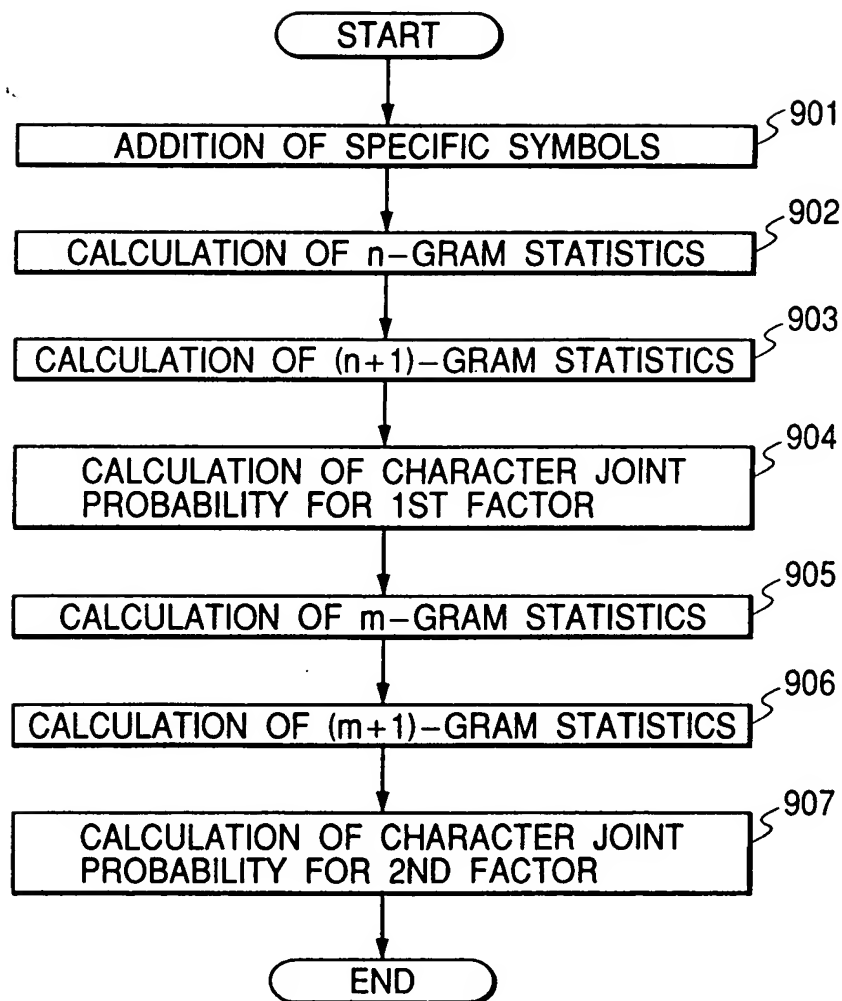


FIG. 10

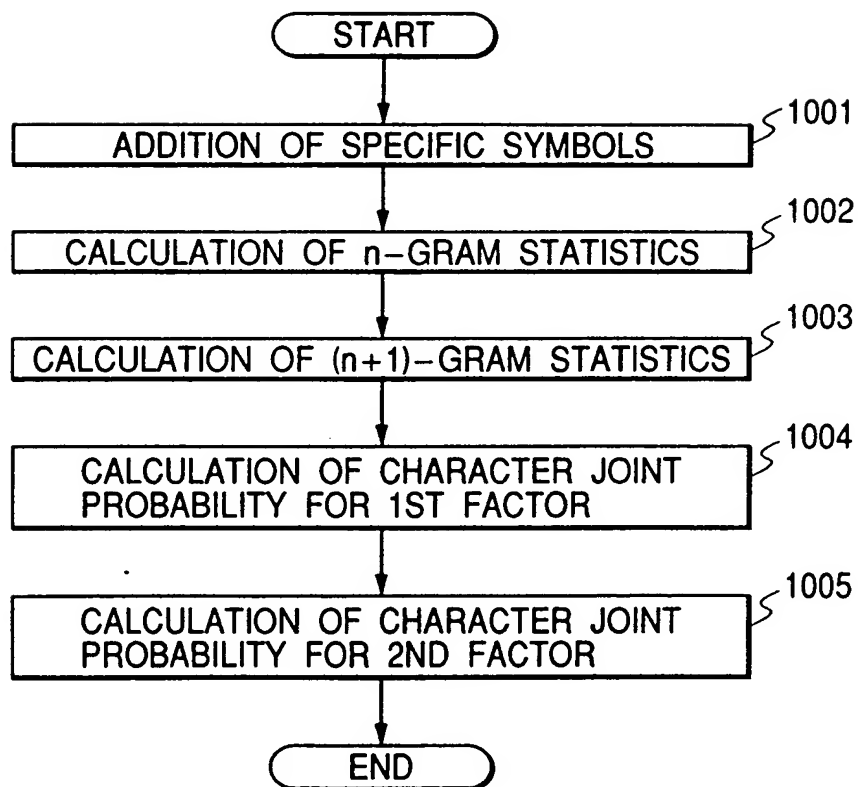


FIG. 11

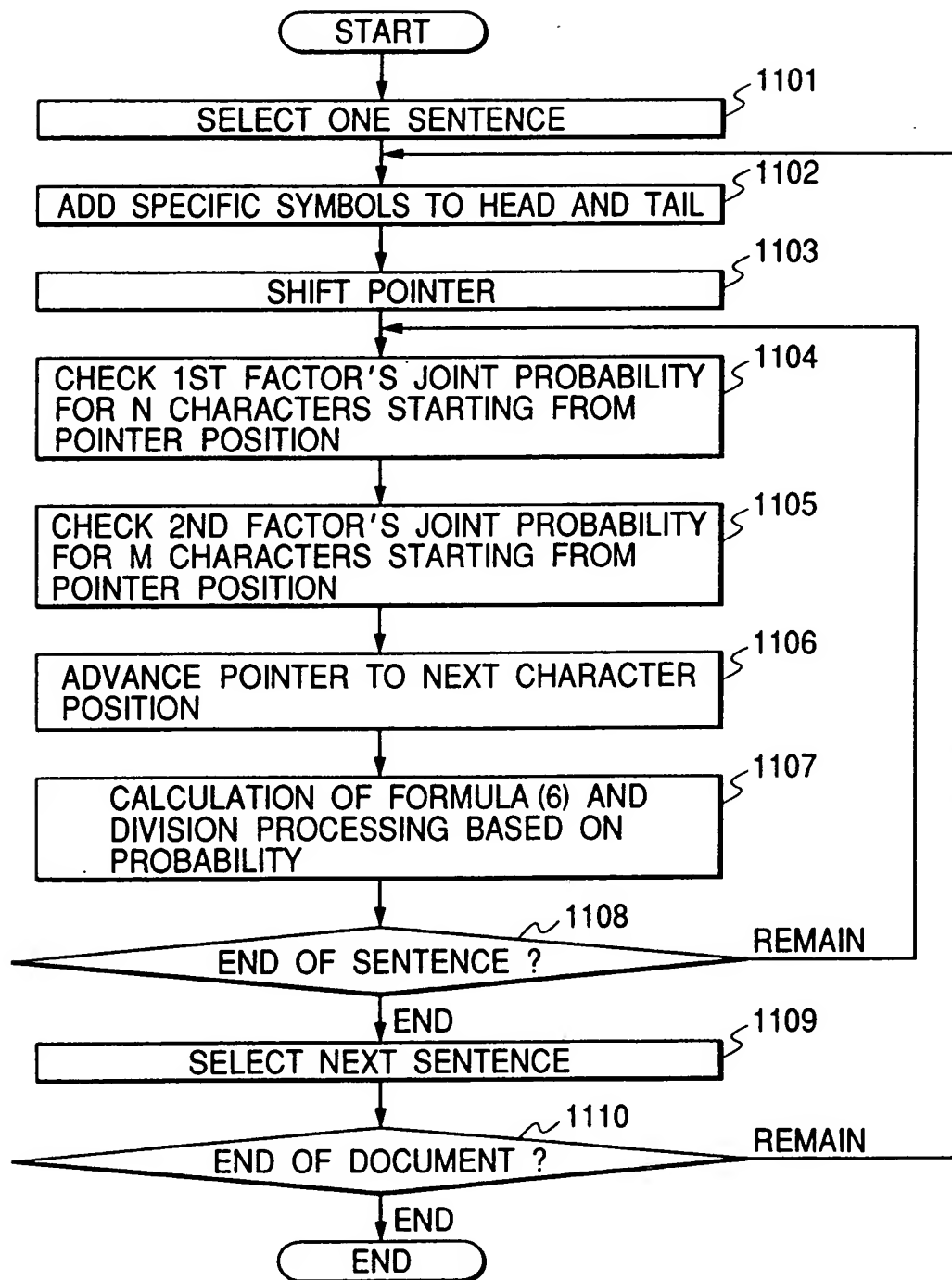


FIG. 12A

GIVEN CHARACTER : 仕事は仕事 STRING
↓
OBJECTIVE CHARACTER : # 仕事は仕事 # STRING

FIG. 12B

APPEARANCE FREQUENCY OF 2-GRAM	
CHARACTER STRING	NUMBER OF TIMES
# 仕	1
仕事	2
事は	1
は仕	1
事 #	1

FIG. 12D

APPEARANCE JOINT PROBABILITY		
CHARACTER STRING	1ST PROBABILITY	2ND PROBABILITY
# 仕事	1.0	0.5
仕事は	0.5	1.0
事は仕	1.0	1.0
は仕事	1.0	0.5
仕事 #	0.5	1.0

FIG. 12C

APPEARANCE FREQUENCY OF 3-GRAM	
CHARACTER STRING	NUMBER OF TIMES
# 仕事	1
仕事は	1
事は仕	1
は仕事	1
仕事 #	1

FIG. 12E

1ST FACTOR	1.0
2ND FACTOR	0.0
PROBABILITY	
CHARACTER : # 仕事は仕事 #	
STRING	
↑	
POINTER	

FIG. 12F

1ST FACTOR	1.0	0.5	1.0	1.0	0.0
2ND FACTOR	0.0	1.0	1.0	0.5	1.0
PROBABILITY	1.0	0.5	0.5	1.0	
CHARACTER : # 仕事/は/仕事 #					
STRING					
DIVISION POINT		▲	▲		

PRODUCT OF
1ST & 2ND
FACTORS

FIG. 13

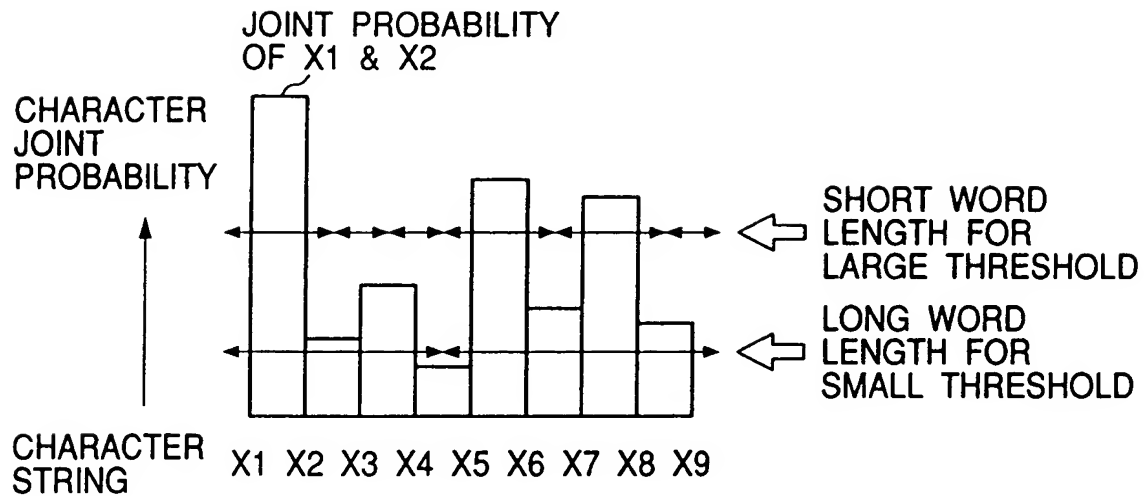


FIG. 14

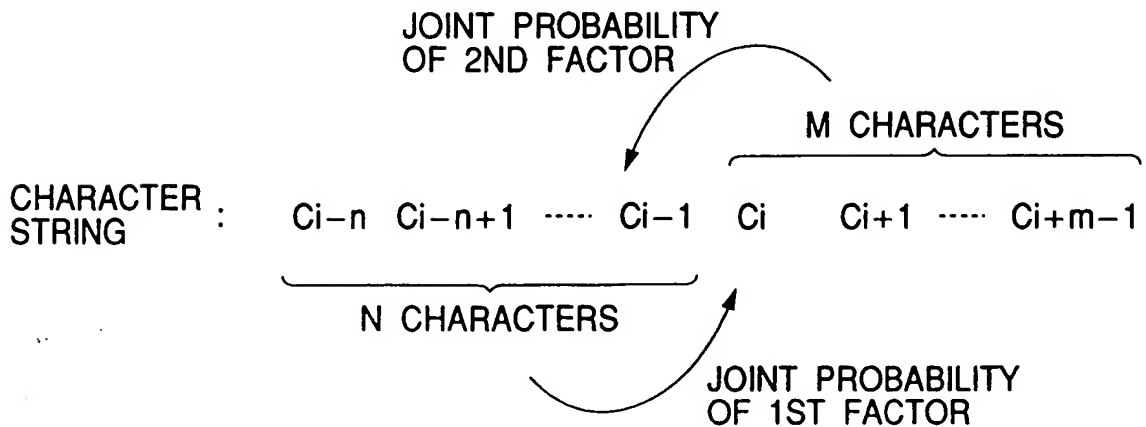


FIG. 15

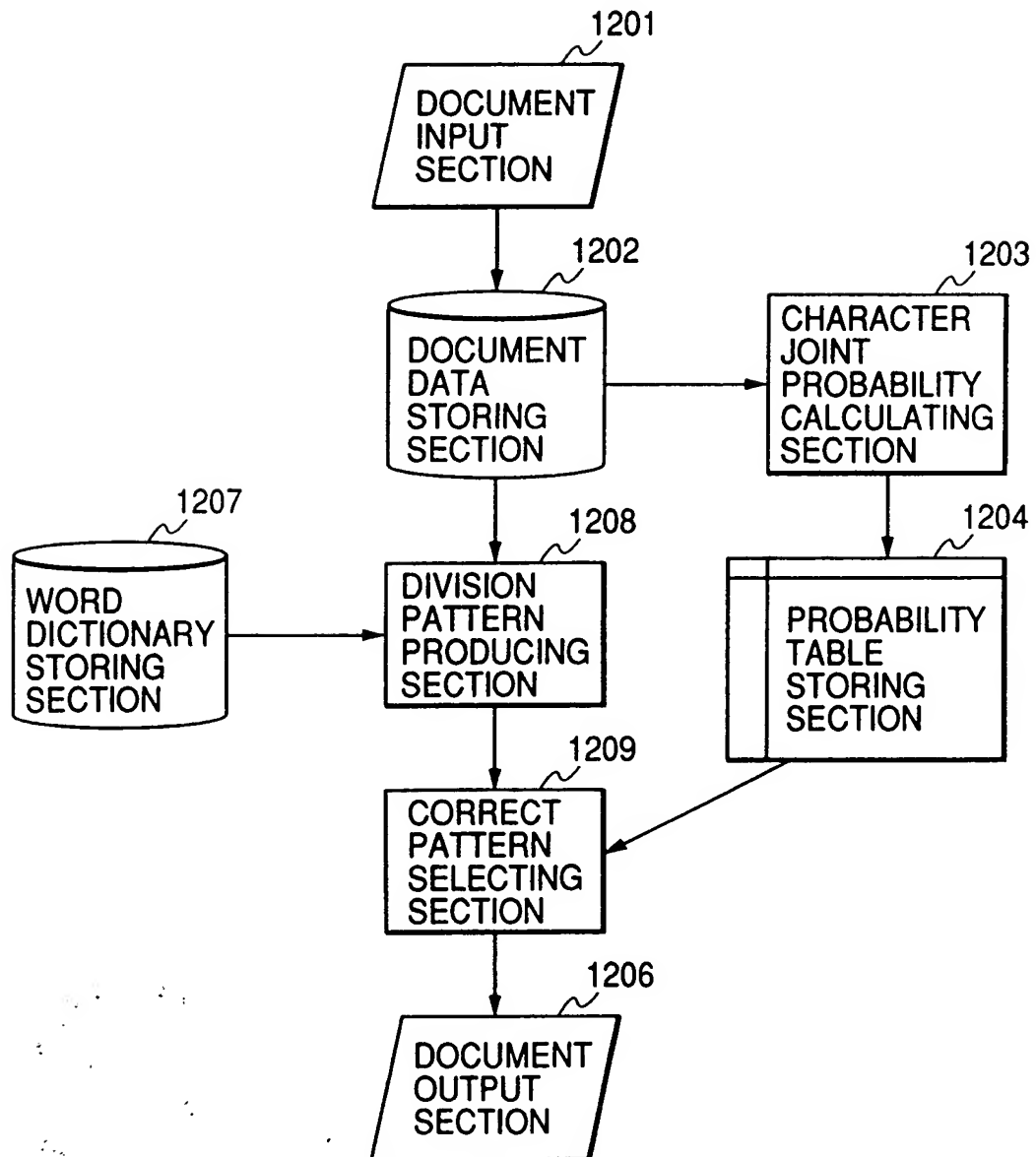


FIG. 16

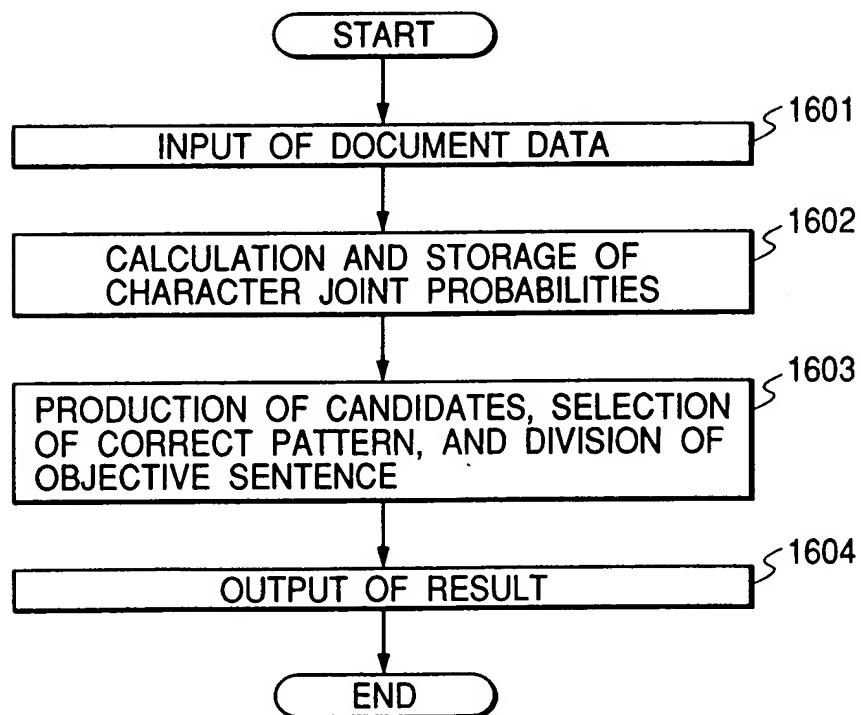


FIG. 17A

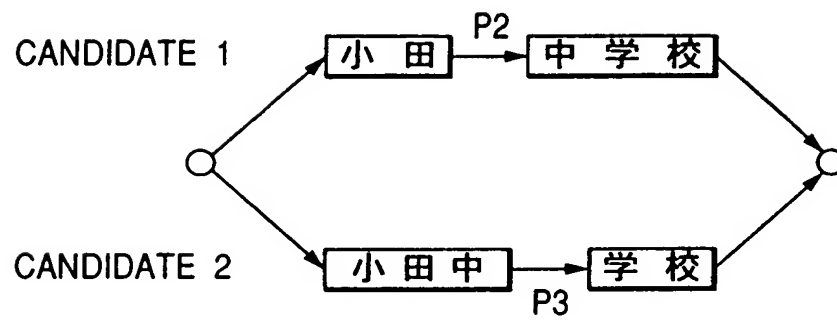


FIG. 17B

小	> P1=0.019
田	> P2=0.007
中	> P3=0.088
学	> P4=0.439
校	

FIG. 18A

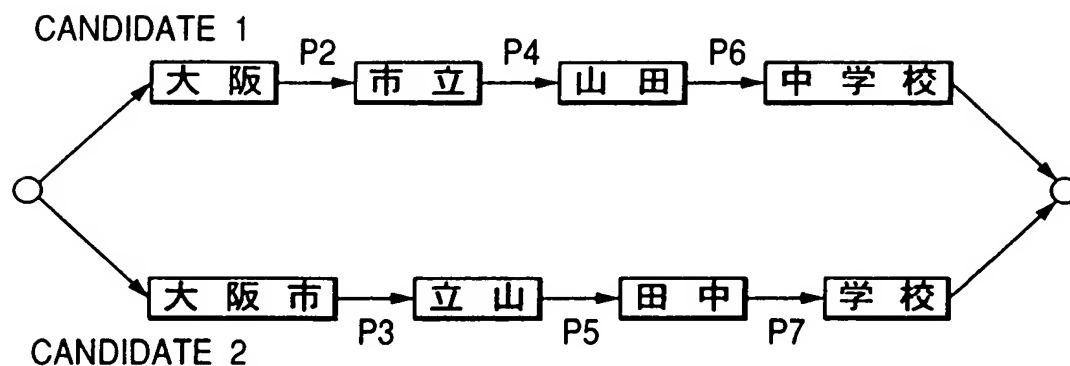


FIG. 18B

大阪	> P1=0.599
市	> P2=0.141
立	> P3=0.174
山	> P4=0.006
田	> P5=0.111
中	> P6=0.006
学	> P7=0.088
校	> P8=0.439

FIG. 18C

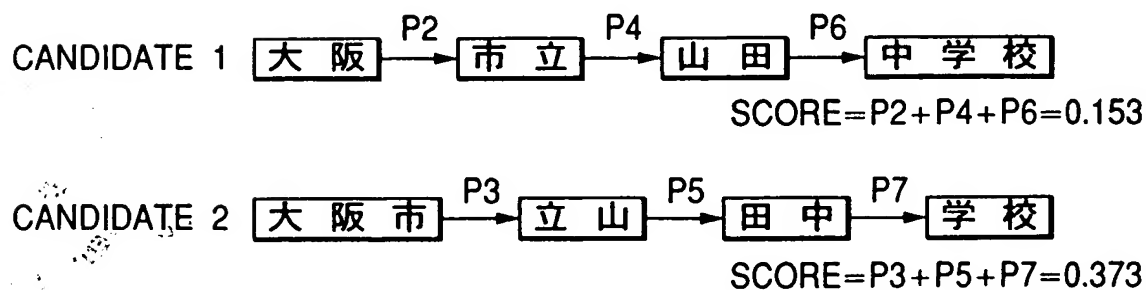


FIG. 19

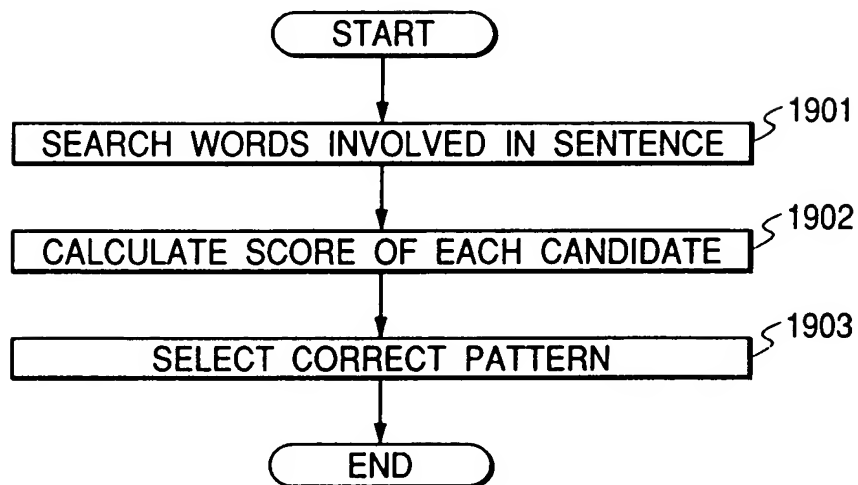


FIG. 20

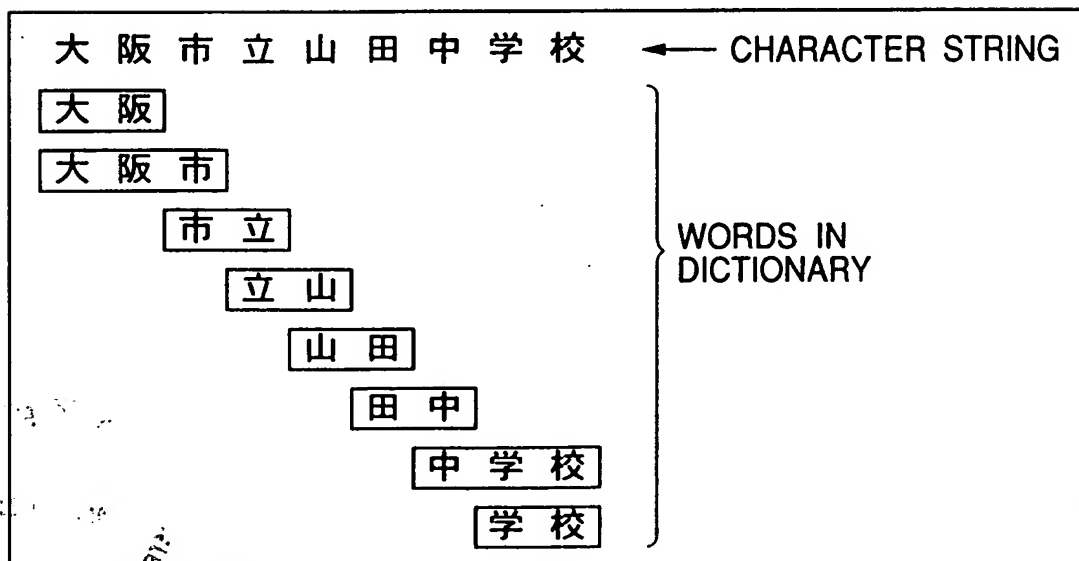


FIG. 21

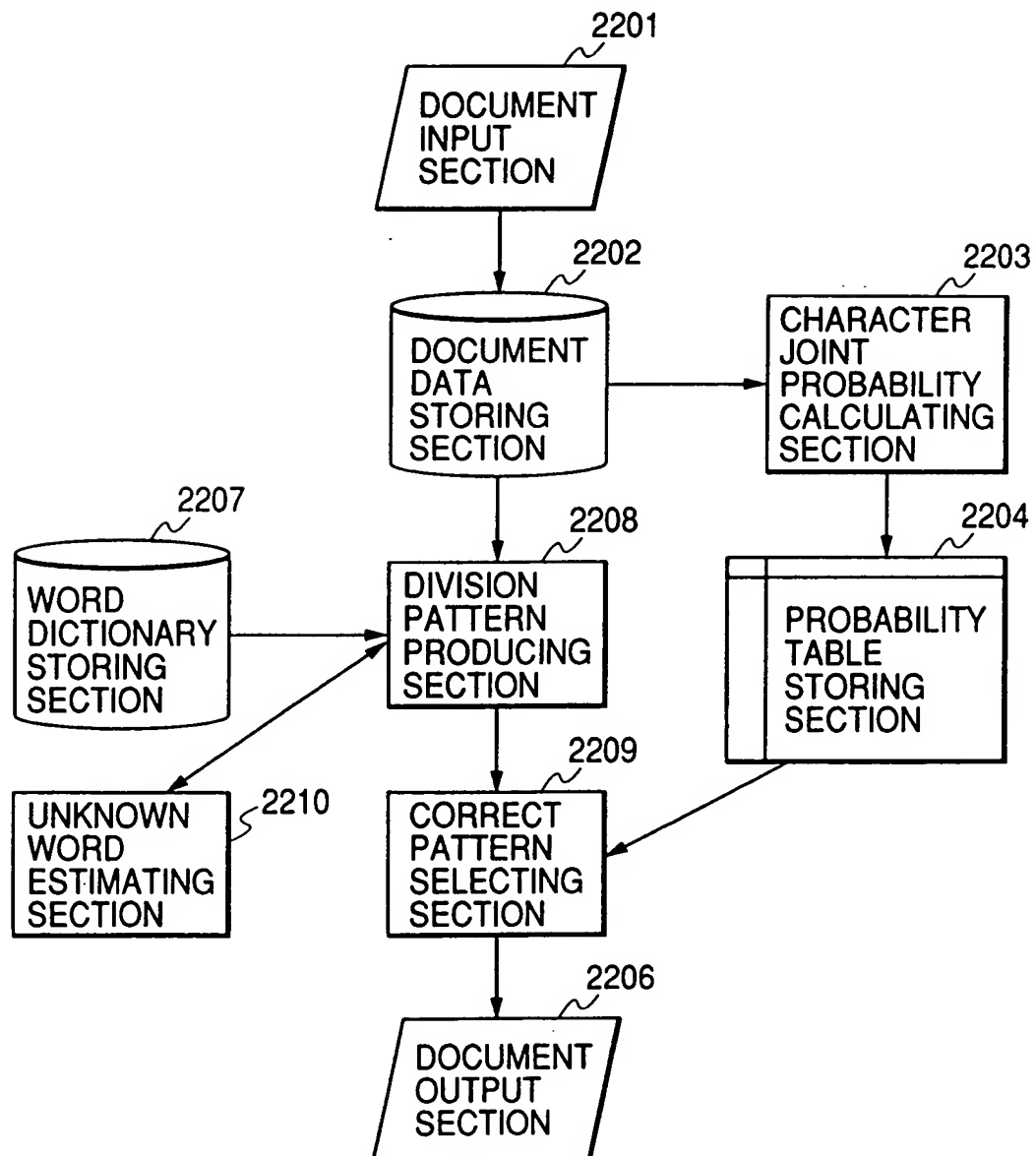


FIG. 22

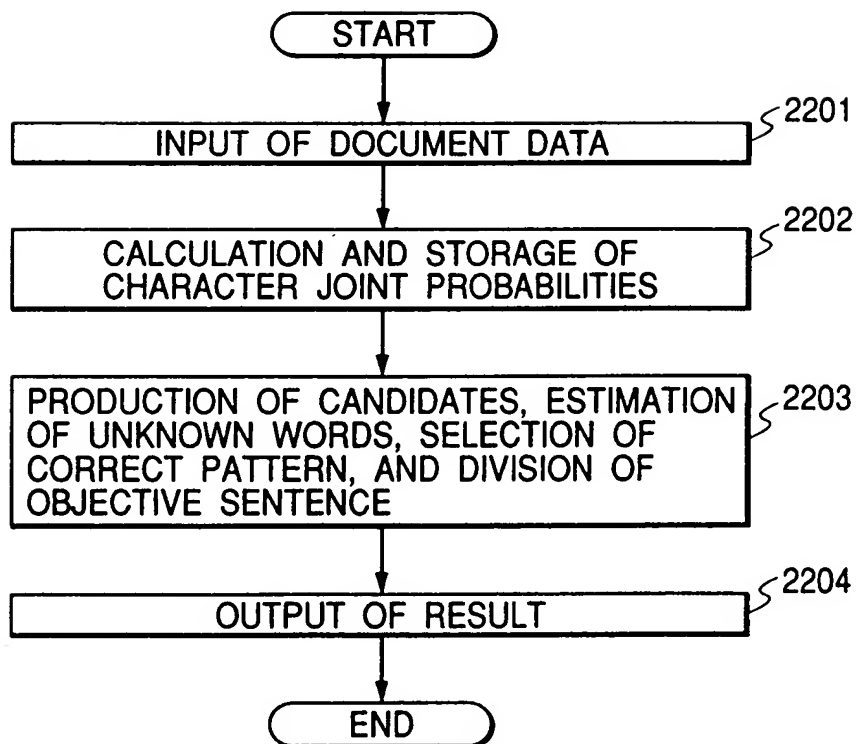


FIG. 23

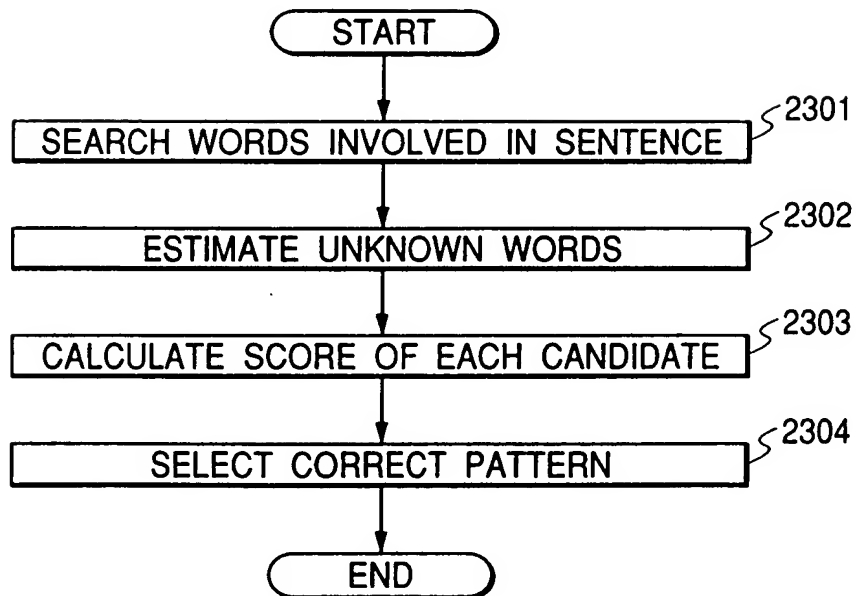


FIG. 24

WORD DICTIONARY

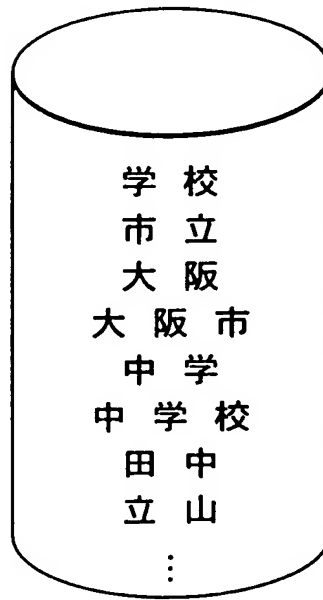


FIG. 26

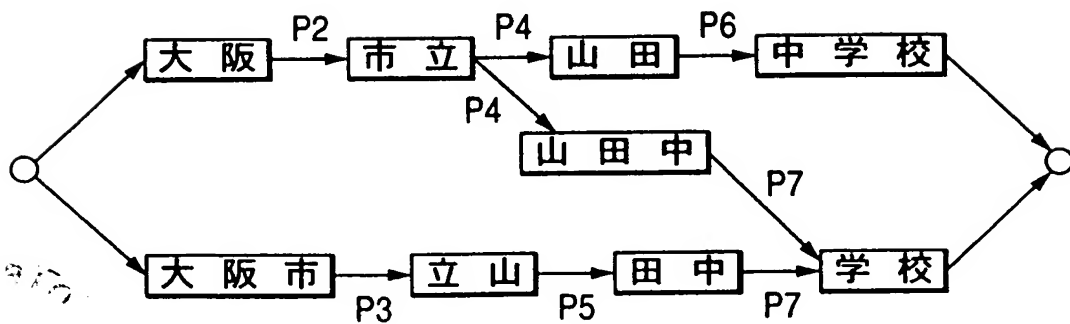


FIG. 27

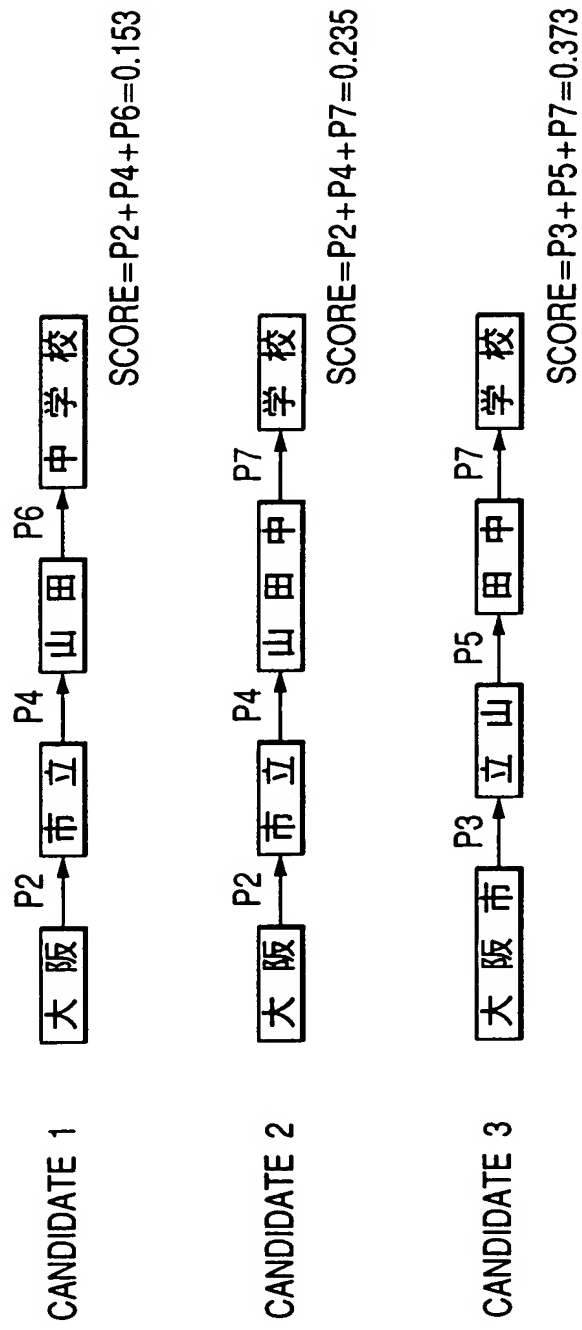


FIG. 28A

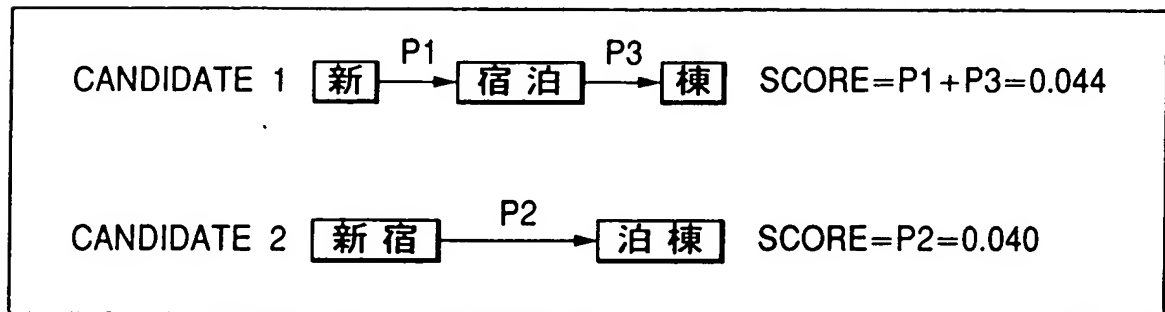


FIG. 28B

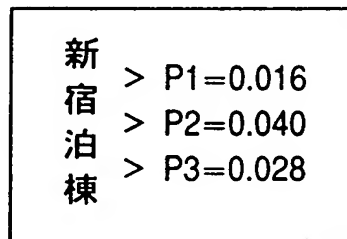
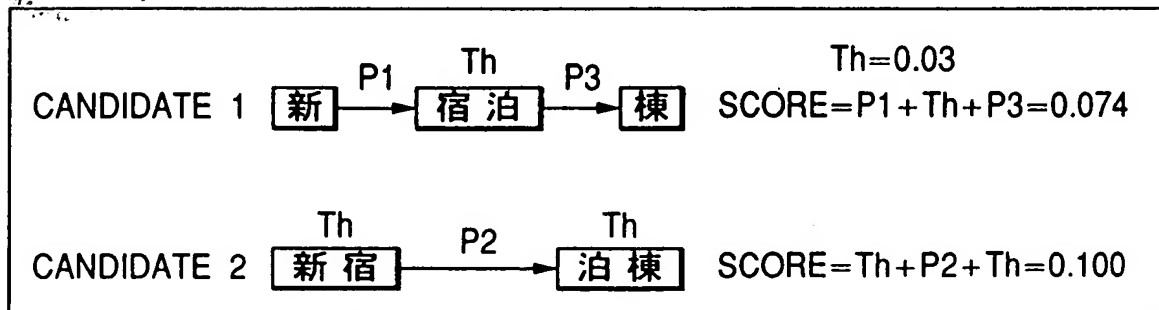


FIG. 28C





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